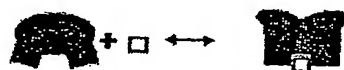


Enzyme (Protein A)



Binding Protein (Protein B)



Enzyme-Binding Protein Hybrid.

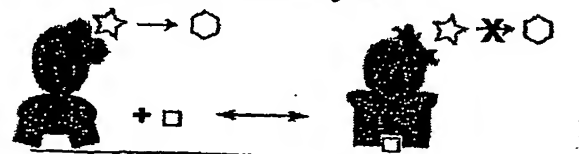


FIG. 1C

FIGURE 1A.

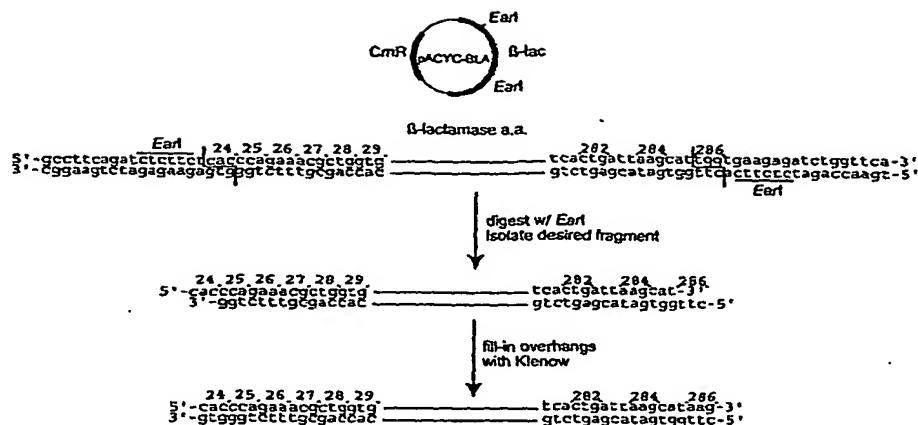


FIGURE 1B.

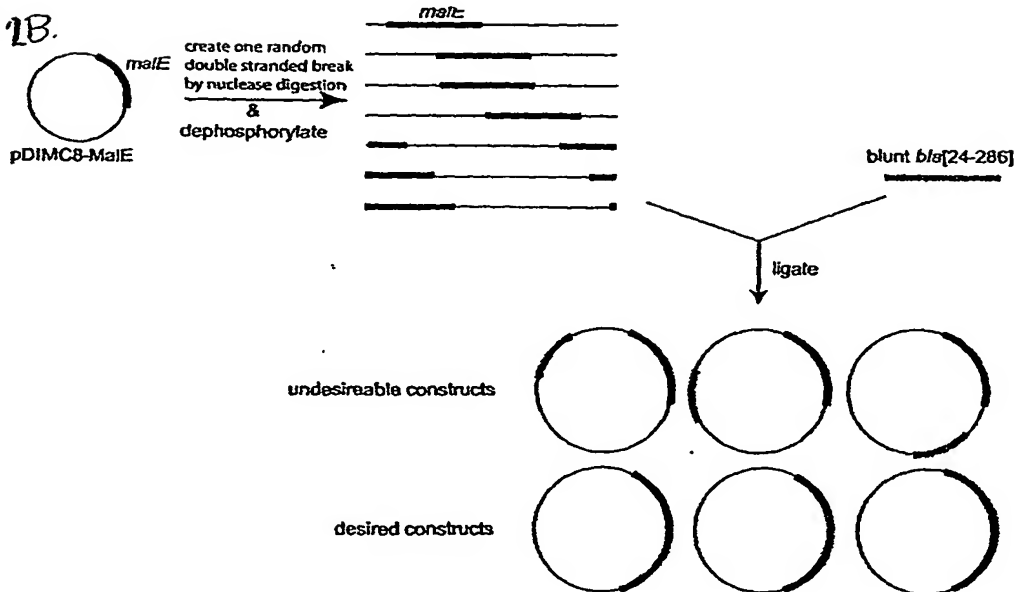


FIGURE 2C.

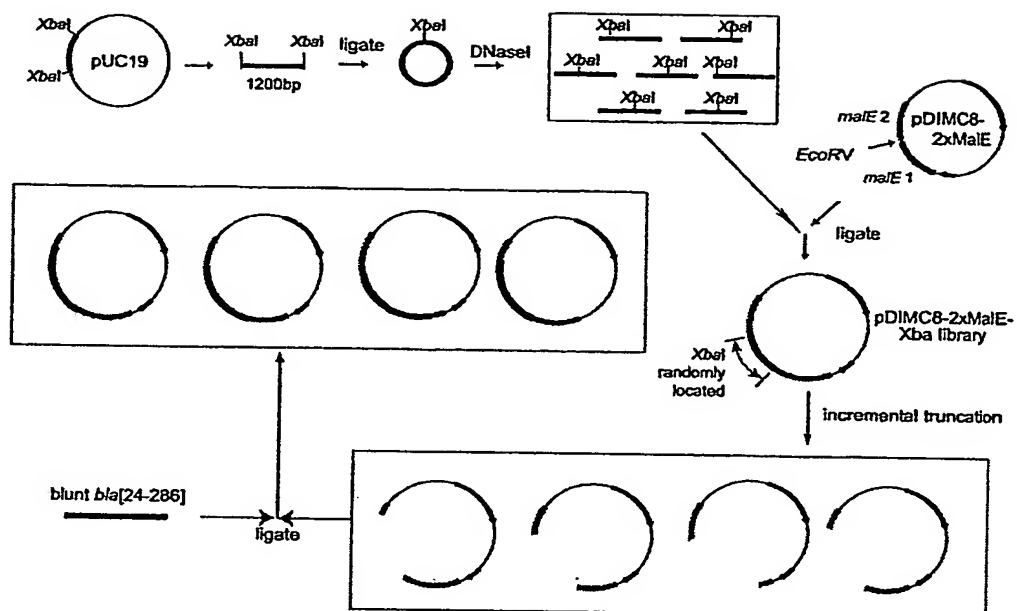


FIGURE 2D

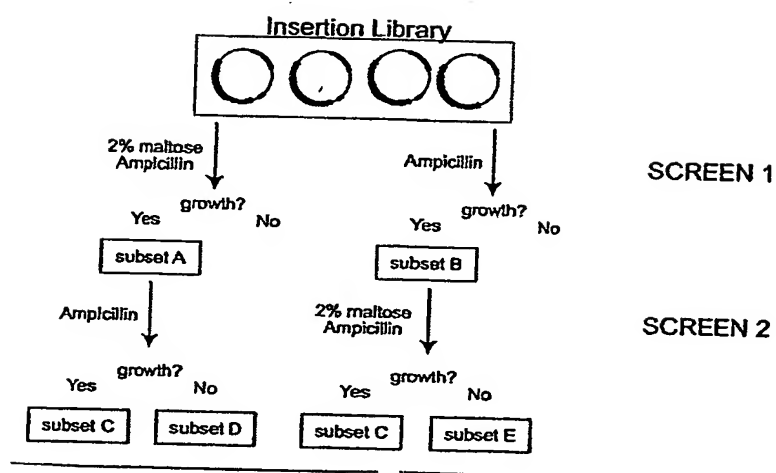


FIG. 3A

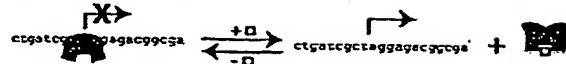
**a) Gene Transcription**

FIG. 3B

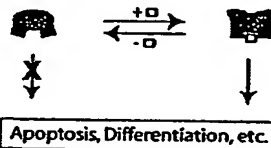
**b) Signal Transduction**

FIG. 3C

**c) Targeted Drug Delivery**

FIG. 3D

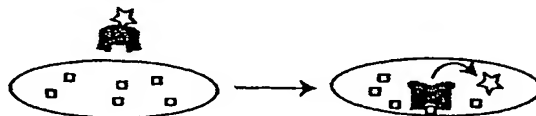
**d) Drug Transport**

FIG. 3E

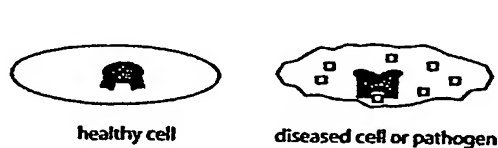
**e) Conditionally-active toxic proteins**

FIG. 3F

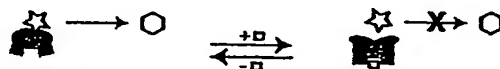
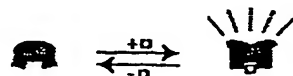
**f) Metabolic Engineering**

FIG. 3G

**g) Biosensors**

□ surface protein unique or present at higher level on diseased cell or pathogen

☆ drug

□ small molecule, protein or other signal (e.g. pH change) inside cell

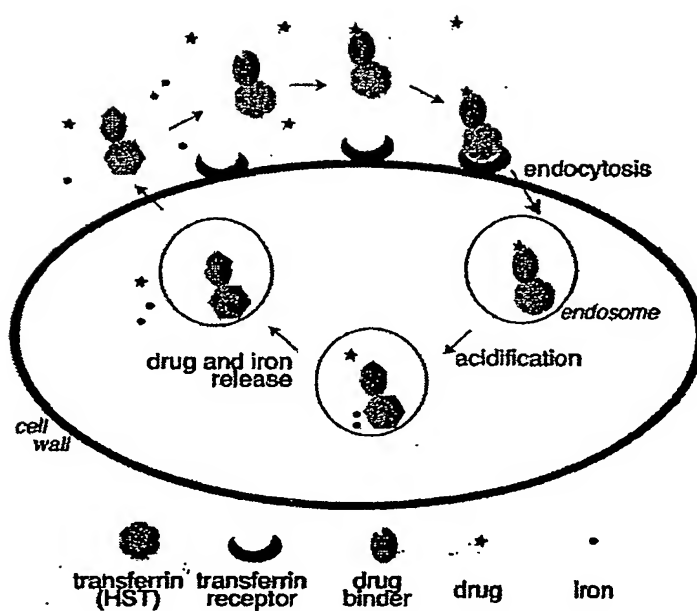
☆ drug

house icon inactive form of toxin

house icon active form of toxin

□ protein or small molecule unique or present at higher level in diseased cell or pathogen

FIGURE 4



FIGURES 5A-C

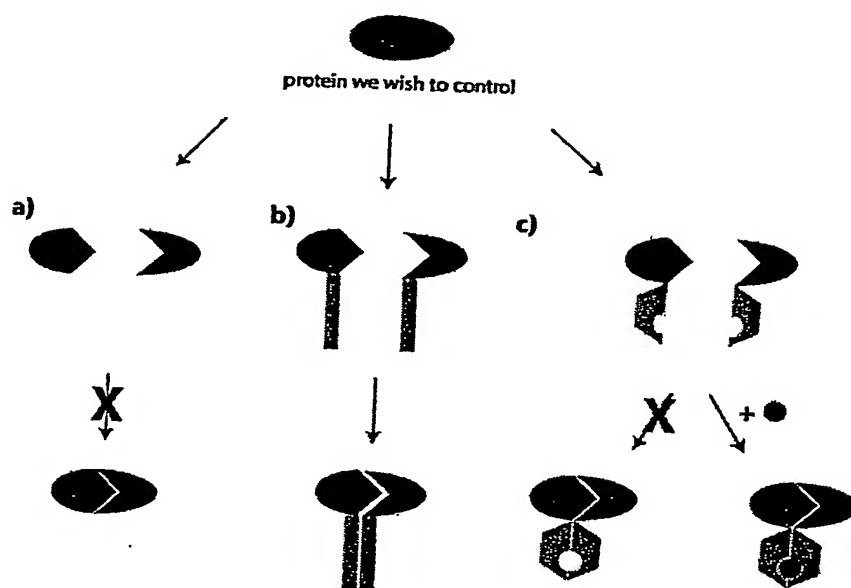
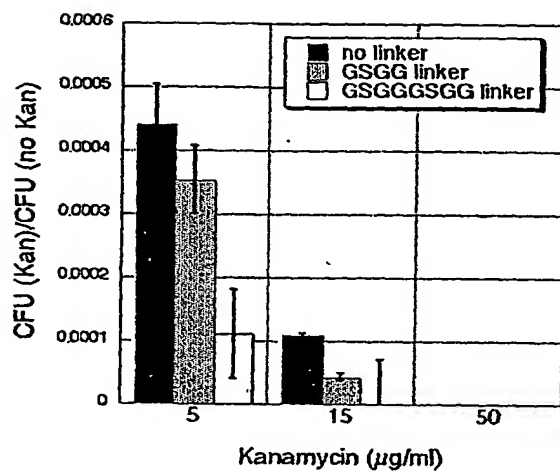






FIGURE 7A



Frequency of active heterodimers of Neo whose assembly is assisted by antiparallel leucine zippers.

FIGURE 7B

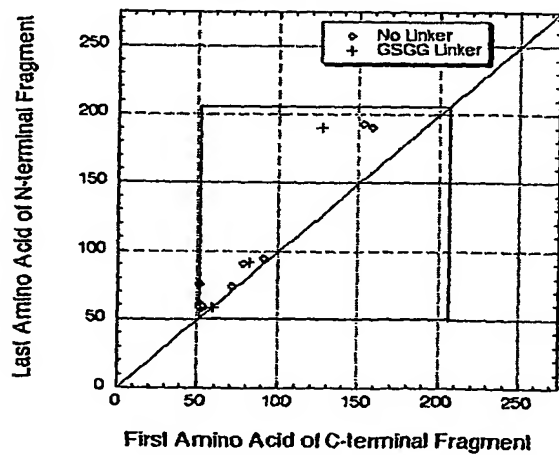
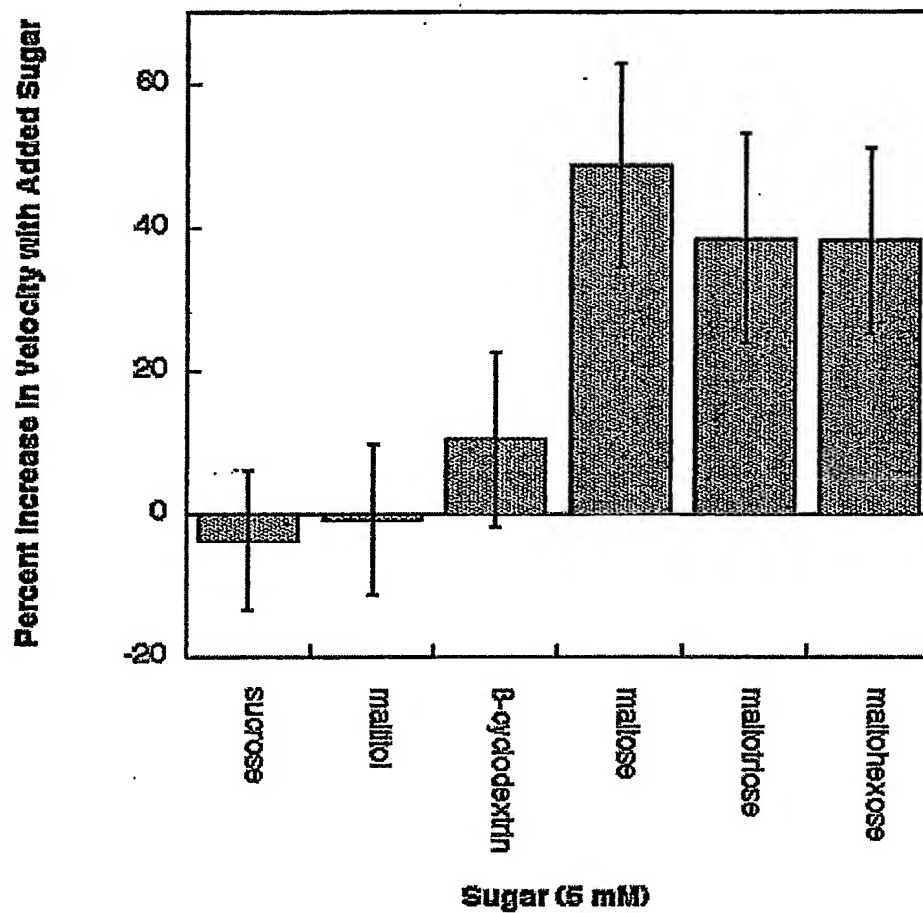


Figure 8



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